

Manitoba Summer School

WINNIPEG, MANITOBA

THIRTY-FIRST ANNUAL SESSION

*Conducted under the auspices of the
University of Manitoba
and the
Department of Education of Manitoba*



Announcement of Courses

To be offered at

UNIVERSITY OF MANITOBA, FORT GARRY

During July and August, 1940

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Registration July 2nd—Classes begin 8.30 am., July 3rd.

CALENDAR

1940

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MANITOBA SUMMER SCHOOL, 1940

HISTORICAL SKETCH

The Manitoba Summer School had its humble beginning in a summer class conducted in the Carlton School, Winnipeg, in 1910, by Mr. W. J. Warters, supervisor of manual training in the Winnipeg schools. Nineteen students received instruction in fretsaw and other light woodwork and in raffia and rattan work. In 1911 twenty-one students were in attendance.

In 1912 the activities of the school were carried on in the Kelvin Technical High School and the programme was extended to cover the manual training programme generally of the elementary school, and dress-making as well. At the same time a class of Nature Study under the direction of Mr. H. W. Watson and Dr. C. J. Triggerson was added. The attendance in the initial year of the enlarged programme was about seventy and by 1915 this had grown to one hundred.

In 1916 a class for the instruction of teachers in schools containing a considerable proportion of pupils of non-English parentage was opened in the Strathcona School under Mr. W. J. Sisler. About forty students enrolled in this class. In the same year instruction in playground direction was given both at the Strathcona and the Kelvin Schools.

The programme thus elaborated was carried on during the two summers following, until in 1919, when Mr. C. K. Newcombe, B.A., LL.B., supt of Education for Manitoba, arranged for the transfer to the Manitoba Agricultural College with Mr. W. J. Warters as Director and Mr. D. S. Woods as Associate Director. At this time a review course in Chemistry of Grade XI under Mr. E. Knapp was added and in the following year courses in Primary and Intermediate Methods, Music and Drawing, and in Sewing and Millinery were introduced. The attendance in 1919 was seventy and in 1920, one hundred and ten. Mr. D. S. Woods was made Director in 1920.

The year 1921 marks the beginning of real expansion in the work of the Summer School, for in that year, for the first time, courses in Chemistry and Physics of Grade XII under Professors Geddes and Lee were offered, and for the first time, too, courses were given in connection with the examination for First Class Professional Certificates. The attendance in 1921 was 240; in 1922, 300; in 1923, 350.

Simultaneously with the Summer School at Manitoba Agricultural College in 1923, classes in University subjects of the First and Second Years in Arts and Science were held at the University Arts buildings in Winnipeg with an attendance of 85. This School was organized and directed by Dean Tier and was the initial venture of the University of Manitoba itself in the field of summer school instruction, except for a summer course for returned soldiers conducted in 1919 under the direction of Professor N. B. MacLean, which enrolled 125 students, and a further course for some fifty returned men in the summer of 1920, supplementing the work done in this direction during the preceding winter season by Mr. E. Burgess.

In 1924 another forward step was taken and it was decided to merge in one organization and one programme the Summer Schools of the Department of Education and of the University. Mr. R. B. Vaughan, Director of Technical Education for the Department of

Education, became Secretary of a Joint Advisory Committee, Mr. D. S. Woods, Director of the School, and Dean Tier of the University Faculty of Arts and Science, Dean of its Faculty. As a result of this consolidation it was possible to strengthen and enlarge the programme of instruction and for the first time to impose a definite scale of tuition fees. In 1926, Mr. H. G. Mingay, Registrar of the Department of Education, succeeded Mr. Vaughan as Secretary of the Committee. In 1933, Dr. W. J. Spence was made Secretary. In 1940, further changes were made in organization. Dr. H. P. Armes, Dean of the Faculty of Arts and Science of the University of Manitoba, and Mr. H. R. Low, Superintendent of Education for the Province of Manitoba, were appointed co-directors. Dr. D. S. Woods, Dean of the Faculty of Education of the University of Manitoba, became Dean of the Summer School and Mr. W. G. Rathwell, Registrar of the Department of Education, was appointed Secretary of the Summer School Committee.

The growth of the School has been steady and gratifying. The enrolment in successive years has been as follows: 1924, 466; 1925, 561; 1926, 648; 1927, 774; 1928, 751; 1929, 867; 1930, 887; 1931, 1,009; 1932, 987; 1933, 831; 1934, 886; 1935, 966; 1936, 982; 1937, 1,034; 1938, 1,303; 1939, 1,472.

SUMMER SCHOOL ALMANAC, 1940

- Mar. 27—Summer School Reunion Dance — Wednesday of Easter Week—Manitoba Union—Fort Garry Site.
- July 2—Registration for Summer School Classes at the University, Fort Garry Site, 9.00 a.m. to 5.00 p.m.
- July 3—Lectures in all classes begin.
- July 3—Meeting of retiring Students' Council, 1.00 p.m.
- July 3—Election of representatives to Students' Council in all classrooms.
- July 4—First meeting of the new Students' Council at 4.30 p.m.
- July 5—Social Evening in the dining-room of the Manitoba Union, 8.30 p.m.
- July 12—Social Evening.
- July 19—Social Evening.
- July 26—Social Evening.
- July 30 and
- July 31—Final examinations in Professional subjects.
- Aug. 2—Social Evening.
- Aug. 9—Social Evening.
- Aug. 13—Lectures in Academic subjects close.
- Aug. 14 and
- Aug. 15—Final examinations in Academic subjects.

ADVISORY COMMITTEE OF SUMMER SCHOOL, 1940

HON. IVAN SCHULTZ, LL.B.
Minister of Education

MR. JUSTICE A. K. DYSART, M.A., LL.D.
Chairman of the Board of Governors
University of Manitoba

SIDNEY E. SMITH, K.C., M.A., LL.B., LL.D., D.C.L.
President, University of Manitoba
Chairman, Summer School Committee

H. R. LOW, M.A., B.Sc., Ed.B. (Glasgow)
Superintendent of Education for the Province of Manitoba
Director, Manitoba Summer School

H. P. ARMES, B.Sc., Ph.D.
Dean, Faculty of Arts and Science
University of Manitoba
Director, Manitoba Summer School

D. S. WOODS, M.A., A.M., Ph.D.
Dean, Faculty of Education
University of Manitoba
Dean, Manitoba Summer School

W. G. RATHWELL, B.A.
Registrar, Department of Education
Secretary, Summer School Committee

W. J. SPENCE, B.A., LL.D.
Registrar, University of Manitoba

C. K. ROGERS, M.A.
Chief Administrative Officer
Department of Education

C. J. HUTCHINGS, M.A.
Director of Correspondence Instruction
Department of Education

CLARENCE MOORE, B.A.
Brandon Normal School

F. W. CRAWFORD, B.S.A.
Comptroller, University of Manitoba

SUMMER SCHOOL STAFF, 1939

Directors { D. S. Woods, M.A., Ph.D.
H. P. Armes, B.Sc., Ph.D.

O. T. ANDERSON, M.A., B.Sc.	Mathematics
W. A. ANDERSON, M.Sc., M.A.	Physics
R. FLETCHER ARGUE, M.A.	English
W. BALDWIN	Professional
DR. L. BELL	Graduate Nurses Course
J. E. L. BLACK	Professional
MISS M. M. BROOKER, M.A.	Professional
PETER BROWN	Professional
DR. F. T. CADHAM	Graduate Nurses Course
E. H. CHARLESWORTH, M.A., D.Phil.	Chemistry
F. W. CLARK, B.A., Ph.D.	Roman Civilization
J. N. CLARK	Latin
MISS ELIZABETH COLWELL	English
H. CONNOLLY, B.A.	Professional
J. DAVIDSON	Professional
DR. M. R. ELLIOTT	Graduate Nurses Course
J. FOGGIE	Graduate Nurses Course
GEORGE H. FORD, B.A. (Hons.)	English
SISTER GABRIEL-ARCHANGE	Logic and Psychology
MISS AILEEN GARLAND	Professional
B. J. HALES	Professional
J. H. HEINZELMANN, B.A., Ph.D.	German
MISS ALPHA HENRICKSON, M.A.	Professional
P. G. HIEBERT, M.A., M.Sc., Ph.D., F.C.I.C.	Chemistry
J. E. HOWE, B.A., M.A.	History
W. M. HUGILL, B.A., Ph.D.	Roman Civilization
GEORGE HUNTER	Professional
H. HUTCHISON	Professional
DR. F. W. JACKSON	Graduate Nurses Course
R. J. JOHNS	Professional
SKULI JOHNSON, M.A.	Roman Civilization
C. MEREDITH-JONES, M.A., Docteur de l'Universite (Paris)	French
F. W. JONES, B.A. (Hons.)	Latin
MISS ETHEL KINLEY	Professional
MISS FLORENCE LONG	Professional
MARCUS LONG, M.A.	Philosophy
MISS ANNE LOUTIT	French
R. O. MacFARLANE, M.A., A.M., Ph.D.	History
MISS GERTRUDE McCANCE, B.A.	Professional
R. K. McCLUNG, M.A., D.Sc., F.R.S.C.	Physics
MISS ELEANOR McFADDEN, B.S., M.S.	Clothing and Textiles
MISS FRANCES McKAY	Professional
K. A. McKILLOP	Professional
MISS FLORENCE McLAUCHLIN, B.Sc. (H. Ec.), M.S.	Foods and Nutrition
J. A. McLEOD	Zoology
MERCER McLEOD	Professional
DR. H. MEDOVY	Graduate Nurses Course
T. H. MILNE, M.A.	Mathematics
DR. ROSS MITCHELL	Graduate Nurses Course
ANDREW MOORE, M.A.	Professional
MRS. DOREEN MUIRHEAD	Professional
T. A. NEELIN, M.A., B. Paed.	Professional

SUMMER SCHOOL STAFF, 1939—(Continued)

DAVID OWENS, M.A.	Sociology
DR. MARGARET OWENS	Graduate Nurses Course
MISS BERTHA PILLING	Professional
MAJOR A. M. PRATT, B.A.	Professional
J. A. REID	Professional
H. H. REMPLE	Professional
M. E. J. RICHARD, B.A., Dipl. d'Ec. de Prepar. (Sorbonne)	French
H. E. RITER, M.A.	Professional
A. D. ROBINSON, B.A., M.A., Ph.D.	Chemistry
HAROLD ROBSON, B.A., B.Ed.	Professional
DR. J. E. ROSS	Graduate Nurses Course
H. H. SAUNDERSON, B.A., M.Sc., Ph.D.	Chemistry
J. P. SIGVALDSON, B.A., B.Ed.	Professional
CAIRNS SMITH	Professional
H. K. STEIN, M.A.	Professional
R. M. STEVENSON, B.A., M.A.	Professional
B. SUCHEROV	Professional
DR. MARGUERITE SWAN	Professional
J. TOEWS	Mathematics
H. WALL, M.A.	German
W. J. WAINES, M.A.	Economics
R. A. WARDLE, M.Sc., F.R.S.C.	Zoology
A. L. WHEELER, B.A., M.A., Ph.D.	English
H. W. WRIGHT, B.A., Ph.D.	Psychology
W. S. YARWOOD	Geology
MISS YOEMANS	Professional

GENERAL INFORMATION

The Manitoba Summer School is conducted under the auspices of the University of Manitoba and of the Manitoba Department of Education, and is held at the University, Fort Garry. The courses are open to those qualified to undertake the work. Teachers or students previously registered or whose standing has been accepted are eligible without credentials other than those asked for on the application form. Other prospective students should forward with their application evidence of the standing claimed.

Purpose of Summer School

1. To enable members of the teaching profession to associate themselves in their vacation with instructors and with one another; to become better equipped to carry on with a modernized curriculum; to pursue specialized study in methods of teaching and to improve their academic or professional standing.
2. To enable University students to undertake subjects of the course in Arts and Science or to remove deficiencies in subjects of this course or in matriculation languages.
3. To provide an opportunity for contact with outstanding educationists.

Registration for Academic Courses

Registration will take place on Tuesday, July 2nd, 9.00 a.m. The instructors will be present for consultation concerning the work of their courses and students should register on this date and have all books and material ready for their classes, which will begin promptly at 8.30 a.m., Wednesday, July 3rd.

Registration for Teacher Training Courses

Registration for all Teacher Training courses to be conducted in Winnipeg will take place on Tuesday, July 2nd, at 9.00 a.m. at the Summer School Office, University of Manitoba, Fort Garry Site.

(Registration for the courses at Gimli and Duck Mountain will be made on Tuesday, July 2nd, at the respective camps.

Application for Academic Courses

Application for academic courses should be made as early as possible to the *Registrar, University of Manitoba, Fort Garry Site*. Application for courses not listed in this announcement will be considered up to June 1st, but no courses outlined therein or otherwise proposed will be given unless a sufficient number of applications are received on or before the date specified. Application form on pages 47-48.

Application for Teacher Training Courses

(1) Applications for Teacher Training Courses must be made to the Registrar, Department of Education, Room 144 Legislative Bldg., Winnipeg. They should reach him as early as possible and in all

ordinary cases not later than May 15th, 1940. *In no case will application be accepted after June 15th unless accompanied by a late registration fee of one dollar, payable to the Department of Education.* Teachers are urged further to give careful thought to the selection of courses and to check closely time-table arrangements, as any alteration of Teacher Training courses at the time of registration at the Summer School can be made only by personal application at the office of the Registrar, Department of Education, Winnipeg.

(2) The Department of Education reserves the right to cancel any Teacher Training courses for which sufficient applications are not received.

(3) Teachers applying for *Teaching Training courses only* will complete *one* application (Form No. 2). This will be mailed to the Registrar, Department of Education.

(4) Teachers applying for *Teacher Training courses and academic subjects* (Grades XI or XII, or Degree) must complete *two* applications. Form No. 1 will be mailed to the Registrar, University of Manitoba, Fort Garry, and Form No. 2 to the Registrar, Department of Education.

(5) Applicants for *academic subjects only* will complete Application Form No. 1 and forward it to the Registrar, University of Manitoba, Fort Garry.

FEES

The following fees are required and must be paid to the Comptroller not later than the *final day for registration*. The academic fee herein set down includes registration, tuition, examination and laboratory privileges except where otherwise shown. Partial subjects will be charged in proportion.

Student Organizations (payable by all students) \$ 2.00

Academic Subjects—

ARTS AND SCIENCE

Entrance Fee (payable by any student registering for a University subject for credit for the first time)	2.00
Senior Division Arts (per subject)	25.00
Senior Division Science (per subject)	30.00
Junior Division Arts and Science subjects (per subject except as shown)	20.00
Botany II and IIM	15.00
Chemistry II, Theory and Practical	25.00
Chemistry II, Practical (when taken alone)	10.00
Geology II	15.00
Chemistry IIM	30.00
Chemistry IIM, Practical	5.00
Physics II, Theory and Practical	25.00
Physics IIM (10 experiments or less)	10.00
Physics IIM (more than ten experiments)	15.00
Zoology IIM, Theory and Practical	25.00
Zoology IIM, Practical (when taken alone)	10.00
Zoology II	15.00
Physics I, Practical (when taken alone)	5.00
Chemistry I, Practical (when taken alone)	5.00
Clothing and Textiles III (Home Economics)	25.00
Foods and Nutrition (Home Economics)	25.00

FEES—Continued**EDUCATION**

Entrance Fee (payable by a student when registering in Education for the first time)	2.00
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Second Year

Registration fee, per subject, each session (payable on December 1st)	3.35
Tuition fee, per subject	15.00
Library fee, each academic session	2.00
Fee for Degree of Bachelor of Education	10.00

Third Year

Registration fee, per subject, each session (payable on December 1st)	3.35
Tuition fee, per subject	20.00
Library fee, each academic session	2.00
Fee for Degree of Master of Education	10.00

Teacher Training Courses—

The fees for Teacher Training courses will be at the rate of five dollars for each unit of credit; e.g.,

Per course carrying two units of credit	\$10.00
Per course carrying three units of credit	15.00
Per course carrying four units of credit	20.00
Course at Gimli Camp (including Board, Room and tuition)	25.00 (approx.)
Course at Duck Mountain Camp (Board, Room and tuition)	40.00 (approx.)

(On payment of cost of materials, students in the practical arts courses may take with them at the close of the session any articles they make during the course.)

Payment of Fees

Payments on account of tuition or residence accommodation will not be accepted prior to registration day.

Reservations of rooms may be made in advance without payment by writing to Room 203 Administration Building, University of Manitoba, Fort Garry. Such reservations will not be held beyond 1.00 p.m. of the first day of registration. For the routine in connection with an application for room and board see below.

Fees for all courses shall be paid upon registration at the beginning of the Summer School session in July. Cheques should be made payable to the University of Manitoba, and payment should be made at the office of the Comptroller, University of Manitoba, Fort Garry Site.

Refunds will not be granted if the applications for such refunds are not in the hands of the Summer School officials by August 31st.

Residence Accommodation

The residence building at the Fort Garry Site of the University is operated for students as the centre of their social and community life. There are, in this building, facilities to provide living accommodation for five hundred students, men and women, besides gymnasia, baths, swimming pools and recreation rooms for all who use the campus.

Application for rooms in the Manitoba Union must be made to the Dean of Women by women students or the Dean of the Men's Residence by men students. The application will then be taken to the Comptroller's Office where payment will be made. The receipt for the payment will be the authority of Dean of Women or the Dean of the Men's Residence, as the case may be, to deliver the keys to the room allotted to the student making the application.

Board will be at the rate of \$4.50 per week and will be payable by all students residing in the Residence Building. The prevailing rental rate for rooms is \$2.00 a week for each person occupying a double room with another person, and \$3.00 for each person occupying a double room alone. Single rooms may not be reserved if the enrolment exceeds available accommodation. A plan of rooms may be seen in the office of the Dean of Women students, Dean of Men students, the Summer School office or the office of the Comptroller. In the case of withdrawal, the unused portion of the fees paid is refundable, providing the student has given one week's notice of withdrawal. If the notice has not been given, the fee for one week's board and room will not be refunded when the student withdraws.

The charge for moving trunks will be from 50 cents to \$1.00.

Room keys must be returned to the Dean's office before leaving residence or charge will be made.

Baggage checks for trunks should be handed to the Comptroller, who will arrange for their transportation from the station to the University. Students are particularly requested to have their names on their trunks and to bring their hand baggage with them and thus avoid loss or delay.

The following represents the cost of board and room for the session 1940, and is payable at registration:

Professional—July 2 to 31	\$27.70
Academic—July 2 to August 15	\$41.80

Attendance

Students are required to attend regularly from the opening day of the term.

The University Book Department

The University Book Department, which has operated a store in Broadway Building for a number of years, has opened an additional store in the New Arts Building at Fort Garry. This store is located on the lower floor of the building and Summer School students will find the store a great convenience in obtaining textbooks, notebooks and other materials needed in the classroom. Students are urged to make full use of facilities provided. Owing to the short time available during the Summer School term, it is advisable to secure at least some of the books prior to the opening of the session. Mail orders are promptly filled.

The Book Department is not a private undertaking but is operated directly by the University and all prices are the lowest possible.

Address all orders to the University of Manitoba Book Department, Broadway, Winnipeg.

DAILY PROGRAM OF CLASSES

Monday to Friday

MORNING

- 8.30 to 9.20—Philosophy and Psychology of the Junior High School Curriculum (Course 1).
 Child Guidance in the Elementary School (Course 2).
 Diagnostic and Remedial Reading (Course 3).
 Biochemistry.
 Chemistry, Grade XII and Chemistry I.
 Chemistry II.
 Chemistry III.
 English III.
 English IV (Nineteenth Century Literature).
 French Grade XII and French I, Authors.
 French II, Practice.
 German IA.
 German I and IIA.
 Government III.
 Latin Grammar, Grade XI.
 Latin, Grade XII and Latin I, Prose.
 Latin II.
 Latin III.
 Zoology II and IIM.
 Foods and Nutrition.
 Education (Course 31).
- 9.30 to 10.20—Philosophy and Psychology of the Junior High School Curriculum (Course 1).
 Child Guidance in the Elementary School (Course 2).
 Diagnostic and Remedial Reading (Course 3).
 Biochemistry.
 Chemistry, Grade XII and Chemistry I.
 Chemistry II.
 Chemistry III.
 English III.
 English IV (American and 20th Century Literature).
 French, Grade XII and French I, Practice.
 French II, Authors.
 German IA.
 German I and IIA.
 Government III.
 Latin Authors, Grade XI.
 Latin Grade XII and Latin I, Authors.
 Latin II.
 Latin III.
 Zoology II and IIM.

Foods and Nutrition (9.30-12.30).

Education (Course 24).

10.30 to 11.20—Child Guidance in the Secondary School (Course 4).

Arts and Crafts, Grades 1-6 (Course 10).

Music and Movement, Grades 1-3 (Course 7).

Social Studies, Grades 4-6 (Course II).

Modern Literature (Course 13).

Oral French (Course 14).

Science for the Junior High School (Course 15).

Mathematics, Grade XII and Mathematics I.

Mathematics II.

Chemistry III.

Economics II.

French Grammar, Grade XI.

Greek Civilization.

Physics, Grade XII and Physics I and IA.

Psychology IV.

Sociology III.

Zoology II and IIM.

Education (Course 21).

11.30 to 12.20—Child Guidance in the Secondary School (Course 4).

Arts and Crafts, Grades 1-6 (Course 10).

Music and Movement, Grades 1-3 (Course 7).

Social Studies, Grades 4-6 (Course 11).

Modern Literature (Course 13).

Oral French (Course 14).

Science for the Junior High School (Course 15).

Chemistry III.

Economics II.

French Authors, Grade XI.

Mathematics, Grade XII and Mathematics I.

Mathematics II.

Greek Civilization.

Physics, Grade XII and Physics I and IA.

Psychology IV.

Sociology III.

Zoology II and IIM.

Education (Course 29b)

AFTERNOON

1.30 to 2.20—Arts and Crafts for the Junior High School (Course 16).

Teaching of Music, Grades 4-6 (Course 6).

Elementary Science, Grade 1-6 (Course 8).

Language and Speech, Grades 1-6 (Course 5).

Teaching of Health, Grades 1-6 (Course 9).

Visual Education (Course 17).
 Clothing and Textiles III.
 English, Grade XII and English I.
 English II and Optional English.
 History, Grade XII and History I.
 History II.
 History IV (English Constitutional to 1485).
 Philosophy III.
 Physics II.
 Zoology III.
 Education (Course 29g).

2.30 to 3.20—Arts and Crafts for the Junior High School (Course 16).

Teaching of Music, Grades 4-6 (Course 6).
 Elementary Science, Grades 1-6 (Course 8).
 Language and Speech, Grades 1-6 (Course 5).
 Teaching of Health, Grades 1-6 (Course 9).
 Visual Education (Course 17).
 Clothing and Textile Laboratory (2.30-4.30).
 English, Grade XII and English I, Prose.
 English II and Optional English.
 History, Grade XII and History I.
 History II.
 History IV (English Constitutional since 1485).
 Philosophy III.
 Physics II.
 Zoology III.
 Education (Course 29c).

3.30 to 4.20—Clothing and Textile Laboratory.

History III (American).
 Zoology III.

4.30 to 5.20—History III (Canadian).

Zoology III.

7.00—Geology II. Four evenings per week, beginning
 Tuesday, July 4th.

ADVANCE PREPARATION FOR ACADEMIC WORK

The full benefit from short intensive courses, such as the Manitoba Summer School offers, can be secured only when the student has prepared himself in advance by a period of private study. The Directors of the Summer School and the Summer School faculty cannot emphasize too strongly the importance of the preliminary preparation. Steps may be taken at the opening of the session to test for each student the range of his private reading and the extent of his mastery of the content of the course he elects to take.

Six units of new work is normally the maximum programme for a Summer School session. Work in excess of this amount may be undertaken only with the special approval of the Directors and in cases specially recommended by the instructors in charge of the courses proposed after testing the preparation of the student. The above limitation applies to the total amount of work taken in both Academic and Teacher Training courses.

ADDITIONAL COURSES

The courses announced in this Calendar are those for which the Summer School Committee, on reviewing the situation at the time of publication, anticipate a demand. The Committee stands ready to consider the offer of additional courses for which, at any time up to the opening of the Summer School session, a sufficient demand may develop. Correspondence is invited by the Directors with respect to the possibility of securing instruction in other courses. In such cases joint representations from a group of persons interested would be desirable.

PRE-MEDICAL SCIENCE COURSES

The Manitoba Summer School will offer instruction in Physics IIM, Chemistry IIM, and Botany II and IIM, at a special session of the 1940 Summer School, should a sufficient demand arise. The classes will be held in the University laboratories on Broadway Avenue, Winnipeg, and will begin on May 16th and will continue for six weeks. Information regarding fees, hours of instruction, etc., will be forwarded upon application.

TEACHER TRAINING COURSES, 1940

NOTICES

1. Teachers must have at least one year's experience in teaching before entering Summer School to take Teacher Training courses.

2. Teachers will not be permitted to teach after three years from the date on which their certificates were issued unless and until they have completed at least one half (three units) of the Teacher Training courses prescribed for a permanent certificate.

3. Teachers will not be permitted to take more than two Teacher Training courses (four units of work) at one Summer School session. Those taking academic work as well as Teacher Training courses may take a total of not more than six units (academic and Teacher Training).

4. Teachers taking courses for credit towards a permanent certificate, who have not completed previously a Teacher Training course in Psychology, will be required to select at least one course (but not more than two) from Group I. (See page 19.)

5. Not more than one course from Group III may be taken for credit towards a permanent First Class or Second Class Certificate.

6. Two hour courses carry two units of credit. Courses of more than two hours carry three units of credit, with the exception of Course 18, Normal School Workroom and Library Instruction, which has a value of four units. A total of six units completes the Teacher Training course requirements for permanent certificates, and a total of eight units the Teacher Training course requirements for teachers raising their professional standing from Second Class to First Class.

(Teachers who have completed previously some Teacher Training work should note that the Homemaking, Shops, Gimli Camp and Normal School Workroom courses given in 1939 carry three units of credit. All other Teacher Training courses taken in 1939 or earlier carry one unit of credit.)

7. Courses will be of four weeks' duration, two hours per day, unless otherwise specified in the Summer School Calendar.

8. Instructors will guide their students in the selection of some project to be carried out during the course. A report on this project or study will be handed in by the student at the end of the course.

9. Any Teacher Training course taken prior to the completion of Grade XII cannot be counted toward First Class Professional standing.

10. When making application, teachers who wish to do academic work for Department of Education credit only, must designate the course as "English II T," "History II T," etc., as the case may be, so that it may be definitely known that for the present at any rate credit is desired with the Department of Education and not with the University. Those desiring credit with the University and who are registering with that institution for the first time will be required to pay the entrance fee of \$2.00.

TEACHER TRAINING COURSES, 1940

The Department of Education is preparing a Calendar which will give detailed information regarding Teacher Training courses to be offered at the 1940 session of the Manitoba Summer School. A supply of these will be mailed to all schools about the end of February, 1940, in sufficient quantities to provide each teacher with a copy. Application for these courses should be deferred until teachers have had an opportunity to study the Departmental Summer School Calendar. A list of the Teacher Training courses to be offered appears below.

Course No.	Group I	Units
1. Philosophy and Psychology of the Junior High School Curriculum		2
2. Child Guidance in the Elementary School		2
3. Diagnostic and Remedial Reading		2
4. Child Guidance in the Secondary School		2
Group II		
5. Language and Speech, Grades 1-6		2
6. Teaching of Music, Grades 4-6		2
7. Music and Movement, Grades 1-3		2
8. Elementary Science, Grades 1-6		2
9. Teaching of Health, Grades 1-6		2
10. Arts and Crafts, Grades 1-6		2
11. Social Studies, Grades 4-6		2
12. Nursery School Practice		3
13. Modern Literature		2
*14. Oral French		2
15. Science for the Junior High School		2
16. Arts and Crafts for the Junior High School (similar course to be conducted if necessary at Henry Ave., Winnipeg)....		2
17. Visual Education		2
Group III		
†18. Normal School Work Shop and Library Instruction (con- ducted at Winnipeg Normal School)		4
19. Homemaking (conducted at Henry Avenue, Winnipeg)		3
20. Shop Work (conducted at Henry Avenue, Winnipeg)		3
21. Gimli Camp		3
22. Duck Mountain Camp		3

*The Department of Education may decide later to make Course 14 (Oral French) a full-time course. Teachers wishing to take this work should not make final selection of their courses until they have received the Departmental Summer School Calendar, which will give complete details.

† See page 18, Note 6.

DAILY PROGRAM OF CLASSES

TEACHER TRAINING COURSES

Monday to Friday

MORNING

Time	Course No.	Units
8.30 to 9.20		
9.30 to 10.20—	1. Philosophy and Psychology of the Junior High School Curriculum	2
	2. Child Guidance in the Elementary School....	2
	3. Diagnostic and Remedial Reading.....	2
10.30 to 11.20		
11.30 to 12.20—	4. Child Guidance in the Secondary School	2
	10. Arts and Crafts, Grades I to VI	2
	7. Music and Movement, Grades I to III	2
	11. Social Studies, Grades IV to VI	2
	13. Modern Literature	2
	14. Oral French	2
	15. Science for the Junior High School	2

AFTERNOON

1.30 to 2.20		
2.30 to 3.20—	16. Arts and Crafts for the Junior High School (similar course to be conducted, if necessary, at Henry Avenue, Winnipeg, 10.00 to 12.00 a.m.)	2
	6. Teaching of Music, Grades IV to VI	2
	8. Elementary Science, Grades I to VI	2
	9. Language and Speech, Grades I to VI	2
	9. Teaching of Health, Grades I to VI	2
	17. Visual Education	2

Full Time Courses

18. Normal School Work Shop and Library Instruction (conducted at Winnipeg Normal School)	4
19. Homemaking (conducted at Henry Avenue, Winnipeg)	3
20. Shop Work (conducted at Henry Avenue, Winnipeg)	3
21. Gimli Camp	3
22. Duck Mountain Camp	3
12. Nursery School Practice	3

ST. JOHN AMBULANCE ASSOCIATION

The St. John Ambulance Association will offer a course in Senior First Aid and Home Hygiene. That part of the course devoted to First Aid will comprise six two-hour lectures; that on Home Hygiene twelve two-hour lectures. The association will award an Instructor's Certificate to all completing the course. Lectures commence July 3rd, at 2 p.m. This course does not carry credit for professional standing.

DAILY PROGRAM OF CLASSES

GRADE XI, GRADE XII AND UNIVERSITY SUBJECTS

Subjects scheduled below will be offered only if a minimum of ten students apply. The Directors reserve the right to make any change in this programme that they may deem necessary. This timetable will be effective beginning Wednesday, July 3rd. Laboratory periods for Science subjects will be arranged by the instructors at the opening session.

MORNING

Monday to Friday

8.30 to 9.20—Biochemistry.

Chemistry, Grade XII and Chemistry I.

Chemistry II.

Chemistry III.

English III.

English IV (Nineteenth Century Literature).

French, Grade XII and French I, Authors.

French II, Practice.

German IA.

German I and IIA.

Government III.

Latin Grammar, Grade XI.

Latin, Grade XII and Latin I, Prose.

Latin II.

Latin III.

Zoology II and IIM.

Foods and Nutrition II.

9.30 to 10.20—Biochemistry.

Chemistry, Grade XII and Chemistry I.

Chemistry II.

Chemistry III.

English III.

English IV (American and 20th Century Literature).

French, Grade XII and French I, Practice.

French II, Authors.

German IA.

German I and IIA.

Government III.

Latin Authors, Grade XI.

Latin, Grade XII and Latin I, Authors.

Latin II.

Latin III.

Zoology II and IIM.

Foods and Nutrition Laboratory (9.30-12.30).

10.30 to 11.20—Mathematics, Grade XII and Mathematics I.

Mathematics II.

Chemistry III.

DAILY PROGRAM OF CLASSES—Continued

Economics II.
 French Grammar, Grade XI.
 Greek Civilization.
 Physics, Grade XII and Physics I and IA.
 Psychology IV.
 Sociology III.
 Zoology II and IIM.

11.30 to 12.20—Chemistry III.

Economics II.
 French Authors, Grade XI.
 Mathematics, Grade XII and Mathematics I.
 Mathematics II.
 Greek Civilization.
 Physics, Grade XII and Physics I and IA.
 Psychology IV.
 Sociology III.
 Zoology II and IIM.

AFTERNOON

1.30 to 2.20—Clothing and Textiles III.

English, Grade XII and English I.
 English II and Optional English.
 History, Grade XII and History I.
 History II.
 History IV (English Constitutional to 1485)
 Philosophy III.
 Physics II.
 Zoology III.

2.30 to 3.20—Clothing and Textiles Laboratory (2.30 to 4.30).

English, Grade XII and English I.
 English II and Optional English.
 History, Grade XII and History I.
 History II.
 History IV (English Constitutional since 1485).
 Philosophy III.
 Physics II.
 Zoology III.

3.30 to 4.30—History III (American).

Zoology III.

4.30 to 5.20—History III (Canadian).

Zoology III.

7.00—Geology II. Four evenings per week, beginning
 Wednesday, July 3rd.

ACADEMIC COURSES

Lectures will begin on Wednesday, July 3, 1940, and will continue for six weeks. The maximum election for any student is six units of work, and this maximum will be allowed only in cases where a satisfactory amount of private study has been done in advance. Outlines of courses to be offered follow this statement and indicate the content in sufficient detail to enable the student to engage extensively in private study in the months preceding the opening of the Summer School. A new plan has been adopted in regard to preparatory work for Summer School classes in certain subjects. Further information in regard to this plan is contained in the outlines of such subjects.

Examinations of ordinary University and Departmental standard will be provided during the concluding days of the Summer School term, to which will be admitted such students of the various classes as are recommended by their instructors. *The Summer School reports on these examinations will be accepted for credit by the University and the Department of Education only where the student has fully met the requirements of these respective bodies as to eligibility. It would be well, where any doubt exists on this point, for the applicant to consult the University or the Department of Education in advance of registration.*

Students should consult the 1939-40 University Calendar for Arts and Science and the Programme of Studies of the Department of Education for 1939-40 for further information regarding the courses outlined below.

CHEMISTRY

GRADE XII CHEMISTRY—Course IV (Prerequisite Grade XI Chemistry).

CHEMISTRY IA—Courses 1; 2.

CHEMISTRY I—Courses 10; 11. (Prerequisite Grade XI Chemistry).

CHEMISTRY II—Courses 20; 21. (Prerequisite Chemistry I or XII Chemistry).

CHEMISTRY III—Courses 30; 31. (Prerequisite Chemistry II).

CHEMISTRY 32 (Home Economics)—(Prerequisite Chemistry 21).

IV. Texts: *Outline of Experimental Work in Practical Chemistry*. (Price, 20c.). MacPherson and Henderson: *An Elementary Study of Chemistry. Introductory College Course* (Fourth Edition). (Price, \$2.40.). Omit chapters I, II, III, IV, XI, XIII, XXXVIII, XXXIX, XLII, XLIII, XLIV, XLV, XLVI. *Note*—The Third Edition may be used, if prescribed work is selected.

1. ELEMENTARY INORGANIC CHEMISTRY. An introductory course leading up to the study of the fundamental principles of Chemistry; elements and compounds; laws of combination; atoms and molecules; acids, bases, salts; properties of some common elements and their more important compounds. The subject is treated in an elementary way. Text book recommended, *General Chemistry*, by H. N. Holmes.

2. PRACTICAL CHEMISTRY. Experiments illustrating general principles and the preparation and properties of substances studied in Course 1.

10. ELEMENTARY INORGANIC CHEMISTRY. Fundamental principles of Chemistry; elements and compounds; laws of combination; atoms and molecules; acids, bases, salts; properties of some common elements and their more important compounds. The subject is treated in an elementary way. Text book recommended, *General Chemistry*, by H. N. Holmes.

11. PRACTICAL CHEMISTRY. Experiments illustrating general principles and the preparation and properties of substances studied in Course 10.

20. INORGANIC CHEMISTRY. A continuation of Course 10, dealing with some of the more general subjects barely touched on in the elementary course. Text: *Introduction to Theoretical Chemistry*, by Meldrum and Gucker.

21. INORGANIC ANALYSIS. A laboratory course in qualitative inorganic analysis and introductory quantitative analysis.

Preliminary preparation for Chemistry II: A review of Elementary Chemistry, and a study of the subject-matter and problems of Chapters I to V (inclusive)—Meldrum and Gucker's *Introduction to Theoretical Chemistry*.

30. ORGANIC CHEMISTRY. An introduction to the study of Organic Chemistry. General principles; fatty compounds; some typical carbocyclic and a few heterocyclic compounds. Text: *The Chemistry of Organic Compounds*, by Conant.

31. PRACTICAL ORGANIC CHEMISTRY. Preparation of organic compounds and study of their properties.

Preliminary preparation for Chemistry III: A study of the subject-matter dealt with in Chapters I to VI (inclusive) of Conant's *Chemistry of Organic Compounds*.

32. BIOCHEMISTRY. A lecture and laboratory course comprising a study of colloids and their relations to vital phenomena; the general chemistry of the cell; nutrition; enzymes, digestion, absorption and excretion; metabolism; the blood; hormones; the composition and appraisal of foodstuffs. Text: Bodansky, *Introduction to Physiological Chemistry*.

ENGLISH

GRADE XII ENGLISH AND ENGLISH I—Course 10.

GRADE XII OPTIONAL ENGLISH AND ENGLISH II—Course 20 (Prerequisite, English I).

ENGLISH III—Course 30. (Prerequisite, English II).

ENGLISH IV—Courses 40, 41. (Prerequisite, English III).

NOTE—Students taking courses in English in the Summer School will be required at the second meeting of the class to write a preliminary examination. The marks assigned to this examination will be 25% of the total marks. See outlines of required work below.

REFERENCES: Every student should own a good English dictionary. *The Concise Oxford Dictionary* and *Webster's Collegiate Dictionary* are recommended. The following reference books are recommended: A

Short Biographical Dictionary of English Literature (Everyman); Thrall and Hibbard: *A Handbook to Literature* (Doubleday, Doran); Legouis and Cazamian: *A History of English Literature* (Dent); Brooks and Warren: *Understanding Poetry* (Holt).

10. A study of three types of literature—drama, fiction and poetry—and of the principles of composition. Texts: Euripides: *Electra* (Gilbert Murray's translation, Allen and Unwin); Shakespeare: *Romeo and Juliet* (Arden edition, Heath); Shaw: *Arms and the Man* (Constable); Synge: *The Playboy of the Western World* (Allen and Unwin); Galsworthy: *The Silver Box* (Duckworth); Jane Austen: *Pride and Prejudice* (Everyman); Hardy: *The Return of the Native* (Macmillan); Hémon: *Maria Chapdelaine*, trans. Blake (Macmillan); the selections from Wordsworth, Tennyson and Browning in *Representative Poetry*, Vol. II (University of Toronto Press); *The Golden Book of Modern English Poetry* (Everyman).

COMPOSITION—Grade XII students will be required to write at least one essay of not less than eight hundred words. In evaluating this essay consideration will be given to the principles underlying good composition.

Outline of work required for the preliminary examination:

Jane Austen: *Pride and Prejudice*; Hardy: *The Return of the Native*; Hémon: *Maria Chapdelaine*; *The Golden Book of Modern English Poetry*.

The study of the novels should include a consideration of the plot-structure, characterization, setting, and such problems as these:

- (a) The satire on manners in *Pride and Prejudice*;
- (b) The importance of Egdon Heath in *The Return of the Native*;
- (c) The pioneer culture of French Canada.

In reading modern poetry students should make a special study of about fifteen poems of their own choice, from the works of Bridges, Hardy, Masfield, Eliot, Owen.

Those students whose powers of expression in this examination are found to be unsatisfactory will be required to do extra work in composition.

20. (a) POETRY: Shakespeare: *Macbeth* (New Hudson ed., Ginn); the selections from Chaucer, Milton, Coleridge, Shelley, Keats, Arnold and Swinburne in *Representative Poetry*, Vols. I and II (University of Toronto Press).

(b) PROSE: *Shorter Novels: Elizabethan and Jacobean* (Everyman); Walton: *The Compleat Angler* (Everyman); Addison: *Select Essays* (Allyn and Bacon); Boswell: *A Shorter Boswell* (Nelson); Lamb: *Selected Essays of Elia* (Dent); Carlyle: *Past and Present* (Everyman); Arnold: *Representative Essays* (Macmillan); Morris: *News from Nowhere* (Vanguard).

Outline of work required for the preliminary examination:

POETRY: Milton: *L'Allegro, Il Penseroso, Sonnets*; Swinburne: *The Garden of Proserpine, The Pilgrims*, Choruses from *Atalanta in Calydon, A Forsaken Garden, The Roundel*.

The preliminary examination will presuppose a knowledge of the life and times of Milton. References: John Bailey: *Milton* (Home University Library); J. H. Hanford: *A Milton Handbook*.

PROSE: Deloney: *Jacke of Newberie*; *A Shorter Boswell*; Morris: *News from Nowhere*.

Reference: Appropriate sections of Legouis and Cazamian, *A History of English Literature*.

30. The main tradition of English literature from the fourteenth to the end of the eighteenth century. (In the following list *RP* stands for *Representative Poetry*, Volume I.)

CHAUCER: *Selections from Chaucer* (Scott, Foresman).

SPENSER: as in *RP*, together with a consideration of Renaissance poetry. Supplementary reading: Wyatt, Surrey, Sidney, Raleigh, Campion, Drayton, Jonson, anonymous lyrics,—as in *RP*.

SHAKESPEARE: *Henry IV*, Part I and *Hamlet* in *Selected Plays of Shakespeare*, Vol. I (American Book Co.); *Othello* (New Hudson). Supplementary reading: *The Winter's Tale*, in *Selected Plays of Shakespeare*, Vol. I.

BACON: *New Atlantis* (Macmillan) and *Essays* (Houghton Mifflin).

MILTON: as in *RP*, together with a consideration of devotional, "metaphysical" and cavalier strains in seventeenth century poetry. Supplementary reading: Donne, Herrick, Herbert, Crashaw, Vaughan, Traherne, Marvell, Montrose, Lovelace,—as in *RP*. *Of Education and Areopagitica* in *Milton's Selected Prose* (World's Classics).

DRYDEN: *Absalom and Achitophel* and *Alexander's Feast* as in *RP*. Supplementary reading: *MacFlecknoe* and *Aurengzebe*.

POPE: *Essay on Criticism*, *Eloisa to Abelard*, *The Rape of the Lock*, *Epistle to Dr. Arbuthnot* as in *RP*. Supplementary reading: *Essay on Man* and *To Augustus* as in *RP*.

SWIFT: *Gulliver's Travels* and *Tale of a Tub* (Modern Library). Supplementary reading: Swift's poetry as in *RP*.

FIELDING: *Tom Jones* (Modern Library).

JOHNSON: *Rasselas* (World's Classics) and *Life of Pope* in *Lives of the Poets*, Vol. II (World's Classics). Supplementary reading: Johnson's poetry as in *RP*.

GRAY: as in *RP*, together with a consideration of Nature, the common man and mediaevalism, as interests of the eighteenth-century poet. Supplementary reading: Thomson (*The Seasons*), Collins (*Ode to Evening*), Cowper (*The Task*), Goldsmith (*The Deserted Village*), Burns (*The Cotter's Saturday Night*), Chatterton, Macpherson,—as in *RP*.

STERNE: *Sentimental Journey* (World's Classics).

Outline of work required for the preliminary examination:

The whole of Chaucer's "Prologue," considered especially from the point of view of Chaucer's picture and satire of his times. *Henry IV*, Part I, with attention to details of structure and characterization. Milton: *Samson Agonistes*, *Sonnets*.

References: "Introduction" to *Selections from Chaucer* (Scott, Foresman); R. K. Root: *The Poetry of Chaucer* (Houghton Mifflin), Chaps. 1, 2, 9, 10, 11; R. Alden: *A Shakespeare Handbook* (Crofts);

Neilson and Thorndike: *The Facts About Shakespeare* (MacMillan); J. Q. Adams: *A Life of William Shakespeare* (MacMillan).

Bacon: *New Atlantis*; Milton: *Areopagitica*; Swift: *Guilliver's Travels*; Fielding: *Tom Jones*; Sterne: *Sentimental Journey*.

40. Nineteenth Century Novels and Longer Poems: Jane Austen: *Sense and Sensibility* (Everyman); Emily Brontë: *Wuthering Heights* (Everyman); Thackeray: *Vanity Fair* (Everyman); George Eliot: *The Mill on the Floss* (Everyman); Hardy: *Tess of the D'Urbervilles* (Macmillan); Wordsworth: *The Prelude*, 1805 (Oxford); Shelley: *Prometheus Unbound* (Houghton Mifflin); Tennyson: *In Memoriam* (Houghton Mifflin); Browning: *The Ring and the Book* (Modern Students' Library); *English Critical Essays of the Nineteenth Century* (World's Classics).

Outline of work required for the preliminary examination:

Austen: *Sense and Sensibility*; Eliot: *The Mill on the Floss*; Thackeray: *Vanity Fair*; Hardy: *Tess of the D'Urbervilles*. A general acquaintance with fiction in the period will also be expected; in this connection the relevant chapters in one of the following books should be read: Lovett and Hughes: *The History of the Novel in England*; W. L. Cross: *The Development of the English Novel*.

41. (a) Nineteenth Century American Literature: Irving: *The Sketch Book* (Everyman); Emerson: *Selections* (American Book Co.); Hawthorne: *The Scarlet Letter* (Everyman); Melville: *Moby Dick* (Everyman); Poe: *Selections* (American Book Co.); Thoreau: *Selections* (American Book Co.); Whitman: *Selections* (American Book Co.); Mark Twain: *The Adventures of Huckleberry Finn* (Nelson).

(b) Twentieth Century Novels and Poetry: Henry James: *The Ambassadors* (Harper); Conrad: *Lord Jim* (Modern Library); Lewis: *Main Street* (Cape); Virginia Woolf: *Mrs. Dalloway* (Modern Library); *Chief Modern Poets of England and America* (new edition, Macmillan); *English Critical Essays of the Twentieth Century* (World's Classics).

Outline of work required for the preliminary examination:

(a) Melville: *Moby Dick*; Hawthorne: *The Scarlet Letter*; Mark Twain: *Huckleberry Finn*. References: W. F. Taylor: *A History of American Letters*; R. Blankenship: *American Literature*.

(b) Conrad: *Lord Jim*; Lewis: *Main Street*. Reference: Lovett and Hughes: *The History of the Novel in England*.

FRENCH

GRADE XI FRENCH—Course III.

GRADE XII FRENCH AND FRENCH I—Courses 10, 11.

FRENCH II—Courses 20, 21.

III. Text: Ritchie and Moore: *Second French Course* (Nelson). *Supplementary Exercises*, Nelson's Second French Course Pamphlet.

A—(a) GRAMMAR.

Special emphasis should be placed upon the following essentials of French Grammar:

- (1) The inflection of nouns and adjectives.
- (2) The inflection of the verb, including the full conjugation of all the commonly used irregular verbs, as given in Nelson, pages 121 to 132.
- (3) Tense auxiliaries, the reflexive verb, and the agreement of the past participle.
- (4) Pronouns, including demonstrative, interrogative, relative, and indefinite pronouns and the order of pronoun objects.
- (5) Conditional sentences and the use of the subjunctive mood.

(b) PROSE.

- (1) The translation into French of short sentences as a test of the student's knowledge of correct grammatical forms and structures and of conversational idiom.
- (2) The translation into French of easy continuous passages taken from Elementary French Composition, *Nelson's Second French Course*: Numbers 41, 43, 46, 49, 50, 53, 56, 57, 59, 64, 66, 67, 68, 69, 70, 71, 74, 77, 80, 82, 84, 89.

(c) COMPOSITION.

The writing of short original compositions concerning everyday topics and the material studied throughout the course.

B—AUTHORS AND SIGHT.

(a) THE READING OF THE FOLLOWING TEXTS:

Labiche et Martin: *La Poudre aux Yeux*. (Edited by Sonet.)
Aldrich & Foster: *French Reader*.

Supplementaries for additional practice reading where time permits:

Boutinon: *La Mission de Slim Kerrigan*. (Edited by Gurney & Scott.)

Dumas: *Les Deux Freres*. (Abridged and edited by R. H. Pardoe, B.A.)

Ceppi: *Trente Petits Dialogues*.

Bernay: *Les Chasseurs de Papillons*. (Edited by Scott & Storey.)

Eckmann-Chatrian: *Le Tresor du Vieux Seigneur*.

Lewis Carroll: *L'Aventure Marveilleuse d'Alice*.

The chief aim in the author's work should be to acquire a feeling for the language and to make the vocabulary and idiom of the reading matter as far as possible an active vocabulary and idiom for the student. Mere translation into English will not accomplish this, and the constant writing out of such translation is a useless waste of time. The aim can be accomplished best (1) by frequent reading aloud of the passages already studied; (2) by the memorization of suitable passages; (3) by frequent oral and written reproduction in French of the matter read.

(b) SIGHT TRANSLATION.

Practice in reading at sight of French passages of moderate difficulty.

The entire work will be covered by one three-hour paper in the proportion of 60% for grammar and 40% for authors.

All the translation on the examination paper may be sight.

Reference for Teachers: Ritchie and Moore: *Junior Translation from French*.

Teachers will find *La France* (Edition Scolaire), published by Evans Brothers, Montague House, Russell Square, London, W.C. 1, very delightful as an extra text. Thirty-six numbers appear during the year.

10. GRAMMAR AND COMPOSITION. Text: *Beginners' French Grammar*, Olmstead and Sirich (Holt).

First Term—Lessons XV-XXXV, along with proportionate part of Verb Review.

Second Term—Lessons XXXVI-LV. Verb review completed.

As much time as possible will be given to the translation into French of passages of continuous prose.

11. AUTHORS.

First Term—Alexandre Dumas, *Les Trois Mousquetaires*, ed. by Spiers, pub. by Heath.

Second Term—Prosper Mérimée, *Colomba*, ed. by Shinz, pub. by Ginn and Company.

A substantial proportion of the marks assigned to translation in the examinations will be given for sight work.

20. PRACTICE AND COMPOSITION. Text: *French Composition and Conversation*, by Olmsted and Barton, pub. by Holt.

First Term—Chapters I-IX. Second Term—Chapters X-XVII.

The student must have in his possession for reference The New Fraser and Squair *Complete French Grammar*, Part II (Copp, Clark); and also the single sheet entitled, *A Compact French Grammar*, issued by Thrift Press, Ithaca, N.Y.

21. AUTHORS.

First Term—Edmond About, *Le Roi des Montagnes*, ed. by Logie, pub. by Heath (first six chapters only, obligatory).

Second Term—Anatole France, *Le Crime de Sylvestre Bonnard*, ed. by Borgerhoff, pub. by Heath; and Henri de Bornier, *La Fille de Roland*, ed. by Nelson, pub. by Heath.

Sight work will be substantially represented in these papers.

GEOLOGY

GEOLOGY II—Course 20.

20. GENERAL GEOLOGY. The materials of the earth—rocks and minerals. Geological agents and structures. Processes in ore formation. Fossils and their meaning. Evolution of plant and animal

life. Historical geology. Practical demonstrations on minerals, rocks and fossils. Study of geological maps and sections. Text book: *Introduction to Geology*, by Longwell, Flint, Schuchert, etc.

GERMAN

ELEMENTARY GERMAN (GERMAN IA)—Course 1.

GRADE XII GERMAN, GERMAN I AND GERMAN IIA—Course 11.

1. ELEMENTARY GERMAN. This course is offered to students who enter the University without German.

First Term—Burkhard: *Lernen Sie Deutsch* (Holt), Lessons 1-13, including the supplementary exercises, pp. 153-162. Also in the second part of the book—*Lesen Sie Deutsch*—selections I-XIII, with the accompanying exercises, pp. 127-145.

Second Term—*Lernen Sie Deutsch*, Lessons 14-25, including the supplementary exercises, pp. 162-172. Gates: *Im Herzen Europas* (Ginn), omitting selections 7, 11, 12, 15, 18, 20, 23, 24, 25, 28, 40. (For number see table of contents).

11. GERMAN AUTHORS AND PRACTICE.

First Term—Chiles: *German Composition and Conversation* (Ginn), Lessons I-XV, omitting exercises C and E and also in the D exercises all the sentences beyond 20. Mankiewicz and Brandt: *Deutscher Alltag* (Johnson Publishing Co.), to p. 50.

Second Term—*German Composition and Conversation*, the remaining lessons in Part one, omitting the exercises and sentences as specified for the first term. Also in Part Two to the end of lesson XXXIV, omitting exercise C in each lesson. *Deutscher Alltag*, completed, omitting, however, the selections beginning on pages 62, 77, 93, 109, 133.

The following easy and interesting supplementary reading is suggested: Kästner: *Emil und die Detektive* (Holt); Lillian Stroebe and Ruth Hofrichter: *Leicht und Neu* (Crofts). The student of German will also find the following little song book of interest: *Deutsches Liederbuch* (The Thrift Press, Ithaca, N.Y., price 10 cents).

HISTORY

GRADE XII HISTORY—1, 2.

HISTORY I—Courses 10, 11.

HISTORY II—Courses 20, 21.

HISTORY III—Courses 30, 31. (Prerequisite, History II).

HISTORY IV—Courses 40, 41. (Prerequisite, History II).

Students who register in History will be required to buy copies of the books which are listed below, and to have read them carefully before the opening of Summer School. Lectures in the courses will be based on the assumption that students will have made themselves thoroughly familiar with the contents of these books, before coming to

the School. More specialized reading of monographs, biographies, etc., suggested in lectures as the class proceeds, will require all the student's time during the School session, so that it is essential that these introductory texts should be covered carefully beforehand.

HISTORY II—L. Gottschalk: *The Era of the French Revolution* (Houghton Mifflin); Marriott: *History of Europe, 1815-1923* (Methuen).

HISTORY III—R. Harlow: *Growth of the United States* (Holt); Kennedy: *The Constitution of Canada* (Oxford Press, 1938 ed.)

HISTORY IV—Adams: *Constitutional History of England* (Cape); Lunt: *History of England* (Harper).

1. 2. MODERN HISTORY SINCE 1815. Texts—Crutwell: *European History, 1815-78*; Schmitt: *Triple Alliance and Triple Entente*.

For alternative texts and reference books consult *Programme of Studies for the Schools of Manitoba*.

10, 11. HISTORY OF EUROPE TO THE END OF THE EIGHTEENTH CENTURY. The purpose of this course is to enable the student to appreciate the social, political, economic and religious origins of European civilization, in order to prepare him for a more detailed study of the problems of modern European history. Text book: H. A. L. Fisher: *History of Europe* (Arnold). A syllabus and guide to reading will be supplied to each student.

First Term—Europe to 1500. In this term, some special emphasis will be placed upon the development of economic institutions.

Second Term—Europe from 1500 to 1789.

20. THE FRENCH REVOLUTION. Text book: L. Gottschalk: *The Era of the French Revolution* (Houghton Mifflin).

21. HISTORY OF EUROPE SINCE 1818. The purpose of this course is to throw light upon the political problems of contemporary Europe, by a study of the historical origins of the policies which have been pursued by the various European nations between 1818 and 1935.

Topics selected from: The Peace Treaties, 1919-23; the League of Nations; the Reparations Settlements; Problems of International Security and Disarmament; the policies and relations of the Powers during (a) the post-war period down to the Locarno Treaties (1920-25), (b) the period of appeasement from Locarno to Herr Hitler's advent to power in Germany (1925-33), and (c) the post-Hitlerian years (1933-35).

Texts—Gathorne Hardy: *Short History of International Affairs, 1920-38* (Oxford); Crutwell: *European History, 1815-78*; Schmitt: *Triple Alliance and Triple Entente*; J. Horrabin: *Atlas of Current Affairs* (Gollancz).

30. AMERICAN HISTORY TO 1865. The development of the U.S.A. from their origin to the Civil War. Chief topics: The nature of the colonizing efforts of the chief European Powers in North America, with special reference to those of England and France; English colonial development and policy; the new Imperialism and the American Revolution; the formation of the American Constitution;

the rise of the party system; the frontier and its effects; foreign policy; Slavery and the Civil War. Text books—Harrow: *Growth of the United States*; or C. A. and M. R. Beard: *The Rise of American Civilization*.

31. CANADIAN HISTORY SINCE 1763. The following topics will be emphasized: The establishment of the British regime, the Quebec Act, the Loyalists, relations with the U.S.A., representative and responsible government, immigration and settlement, development of communications, Confederation, growth of political parties, settlement of the West, social and economic development of the Dominion, trade and industry, Imperial and external relations. Students are advised to consult Burpee: *An Historical Atlas of Canada*; Trotter: *Canadian History, A syllabus and Guide to Reading*. All students will require a copy of Kennedy: *Constitution of Canada*.

40. BRITISH HISTORY, MEDIAEVAL. This course will be primarily a study of constitutional development prior to 1485, but will assume a working knowledge of the political background. It will include the following topics: Celtic and Roman influences, the institutions of the Anglo-Saxons, the Norman conquest, feudalism, the administrative and judicial reforms of the Norman and Angevin kings, Magna Carta, the baronial opposition, the evolution of parliament, the struggle between the Council and the Household, the Lancastrian experiment and its failure. Students will be expected to provide themselves with Hunt: *History of England* (Harper & Bros.); Adams: *Constitutional History of England* (Cape); and the selection of documents prepared for use in this course and obtainable from the University Book Department.

41. BRITISH HISTORY, MODERN. While tracing the modern growth of the English Constitution, this course will rest upon the assumption that constitutional changes are rarely made for their own sake. It will emphasize the effect upon constitutional development of:

- (a) the impact of powerful personalities;
- (b) religious, economic, and political forces.

e.g. TOPICS: The rise of Protestantism and its relation to economic capitalism; the development of English civilization and government as the work of a closely-knit aristocracy; the characteristic English relationship between a landed and an urban interest; the political consequences of the rise of an evangelical middle class, etc., etc.

LATIN

GRADE XI LATIN—III.

LATIN GRADE XII AND LATIN I—Course 10.

LATIN II—Course 20.

LATIN III—Courses 31, 33.

III. TEXTS—Robertson, Bennett and Glassey: *Ontario High School Reader, Parts III and VI*; Robertson, Bennett and Glassey: *Selections from Virgil*, lines 1-359; Hamilton and Carlisle: *Latin Grammar for Secondary Schools*.

The text in grammar should be completed.

Grammatical questions on passages from the prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy sentences with the vocabulary based upon Cæsar in the *Latin Reader*.

- (a) Prescribed Translation—40% (not more than 5% to be assigned to questions on subject matter of Prescribed Authors).
- (b) Sight Translation—10%
- (c) Grammar—25%.
- (d) Translation of English into Latin—25%.

The following reference books should be read by students. Students are not expected to buy them.

Fowler: *Julius Cæsar* (Heroes of the Nation's Series).

Mackail: *Virgil* (Our Debt to Greece and Rome Series).

Bulfinch: *The Age of Fable* (Everyman's Library).

LATIN I AND GRADE XII.

10. (a) AUTHORS. Selections from Latin Authors, edited by Watt and Hayes (University Tutorial Press). As follows: Selections from *Gellius* (pp. 65-72), from *Phaedrus* (pp. 94-102), from *Nepos* (pp. 85-93), and from *Ovid* (pp. 225-235).

(b) LATIN PROSE. *Foundations for Latin Prose Composition*, by Lewis and Goddard. Eleventh edition (W. Heinemann). Pages 1-44, omitting 22A and the "B" exercises.

For a further discussion of these constructions students are referred to any one of the standard Latin Grammars such as those of *Bennett, Allen and Greenough*, *D'Ooge*.

(c) ROMAN LIFE. *Every Day Life in Rome*, chapters 1-21 (Treble and King, Oxford Press.)

(d) SIGHT TRANSLATION.

LATIN II.

It is essential that students intending to take Latin II should, before the opening of the Summer School, read carefully the work prescribed in Roman History.

20. (a) LATIN AUTHORS. *Latin Prose and Poetry*, edited by Bonney and Niddrie (Ginn & Co., Montreal). Selections from *Livy*, 5, 6, 9, 12, 13; *Pliny* (complete); *Martial* (complete); *Virgil*, 1-5 (pp. 217-227); *Ovid*, 4, 7, 9; *Cicero: In Catilinam III* (Madeley, Macmillan); *Horace: Odes I* (Page, Macmillan) Nos. 1-4, 6-12, 14, 15, 20, 22, 24, 28, 29, 31, 34, 35, 37, 38.

(b) ROMAN HISTORY. *Short History of Rome*, chapters 1-15 (Abbott, Scott, Foresman & Co.).

(c) SIGHT TRANSLATION.

LATIN III.

31. LATIN LITERATURE. A general survey of the development and extent of Roman literary achievement. Emphasis will be

laid upon the following types: drama, didactic, epic, and lyric poetry; satire; history; oratory; novel. Representative selections in translations will be set for study from Howe and Harrer, *Roman Literature in Translation*. Students will be expected to possess their own copies of Mackail, *Latin Literature*.

33. MARTIAL. *Select Epigrams*, Volume I, ed. by Bridge and Lake (Oxford Press). I: 3, 10, 13, 15, 16, 19, 20, 29, 30, 32, 33, 38, 47, 52, 75, 98, 117; II: 11, 16, 18, 27, 30, 67, 77, 90; III: 4, 12, 14, 15, 19, 38, 44, 52, 60, 63; IV: 3, 8, 18, 27, 37, 41, 44, 86; V: 8, 9, 25, 34, 43, 47, 49, 56, 58; VI: 8, 17, 35, 57, 59, 82, 86. Pliny: *Letters*, 22, 32, 35, 39, 41, 47, 59, 60, 61, 69, 73, 79, 90, 91 (Prichard and Bernard, Oxford Press); Horace: *Odes*, Book II, omitting 4, 8, 12, 19 (Page, Macmillan); *Satires*. I: 1, 5, 6, 9 (Gow, Cambridge Press); Cicero: *De Provinciis Consularibus* (Butler and Cary, Oxford Press).

SIGHT TRANSLATION.

It is essential that students intending to take Latin III should, before the opening of the Summer School, carefully read:

- (a) PLINY (see Course 33).
- (b) HORACE (see Course 33).

GRAECO-ROMAN CIVILIZATION

GREEK CIVILIZATION—Courses 30: 40.

ROMAN CIVILIZATION—Courses 31: 41. (Not offered in 1940.)

Knowledge of the Greek and Latin languages is not required.

These courses are intended to make students acquainted with Hellenic and Latin culture and with the contribution made by the Greeks and Romans to subsequent civilization.

30, 40. GREEK CIVILIZATION:

(a) POLITICAL AND CONSTITUTIONAL HISTORY. Chief emphasis will be placed on the period 479-323 B.C. The following topics will be emphasised: the Homeric age; age of settlements; Greek tyrants; Persian wars; the Athenian empire; the age of Pericles; the Peloponnesian war and the aftermath; rise of Macedon and the age of Demosthenes; spread of Hellenism; Greeks in the West; democracy and other modes of government; attempts at federation and international arbitration; the Greek city-state.

Students should possess Bury, *History of Greece*. Selected bibliography: Zimmern, *Greek Commonwealth*; Abbott, *Pericles and the Golden Age of Athens*; Henderson, *The Great War Between Athens and Sparta*; Tarn, *Hellenistic Civilization*; Fowler, *City State of the Greeks and Romans*; Cambridge Ancient History.

(b) SOCIETY AND ART. The following topics will be emphasised: Physical environment: geography and climate; Private life: house, dress, food, family, marriage, childhood; Status of women; Social structure and slavery; Occupation and vocation: agriculture, trade, industry, labour, professions; Wealth and poverty: liturgies and payment for public service; Education: theory and practice; Religion:

pantheism, ritual, divination, the mysteries, rationalism, mythology; Festivals: athletic and dramatic; Art: temples, sculpture, vases.

BIBLIOGRAPHY: Tucker, *Life in Ancient Athens*; Davis, *A Day in Old Athens*; Dickinson, *Greek View of Life*; Glotz, *Ancient Greece at Work*; Zimmern, *Greek Commonwealth*; Freeman, *Schools of Hellas*; Zielinski, *Religion of Ancient Greece*; Gardiner, *Athletics of the Ancient World*; Beazley and Ashmole, *Greek Sculpture and Painting to the end of the Hellenistic Period*; Fowler and Wheeler, *Greek Archaeology*.

(c) **LITERATURE.** Selections from the poets and prose writers. Poetry: *Epic Poetry*, Homer; *Lyric Poetry and Pindar*; *Tragedy and Comedy*, Aeschylus, Sophocles, Euripides, Aristophanes (at least one play from each); *Pastoral Poetry*, Theocritus, Bion and Moschus.

Prose: *History*, Herodotus, Thucydides, Xenophon; *Oratory*, Demosthenes, Isocrates; *Satirical Dialogue*, Lucian.

Students should possess Livingstone, *Pageant of Greece*.

BIBLIOGRAPHY: Murray, *Ancient Greek Literature*; *The Legacy of Greece*; Norwood, *Greek Tragedy*, *Greek Comedy*; Sheppard, *Greek Tragedy*; Haigh, *Tragic Drama of the Greeks*; the appropriate volumes in the series *Our Debt to Greece and Rome*; Howe and Harrer, *Greek Literature in Translation*; *Oxford Book of Greek Verse in Translation*.

It is essential that students intending to take the course in Greek Civilization should, before the opening of summer School, read carefully the following books:

- (a) Bury: *History of Greece* (Modern Library).
- (b) Dickinson: *Greek View of Life*.
- (c) Tucker: *Life in Ancient Athens*.
- (d) Livingstone: *The Pageant of Greece*.

MATHEMATICS

MATHEMATICS, GRADE XII AND MATHEMATICS I—Course 10.

MATHEMATICS II—Course 20.

10. **MATHEMATICS I.** Texts: Wilson & Warren, *An Intermediate Algebra*; Crawley & Evans, *Analytic Geometry*; Hall & Knight (Canadian Edition), *Trigonometry*; Castle, *Five Figure Tables* (Macmillan). Six lectures per week and two laboratory periods, for students in *Arts and Science*. First Term—ALGEBRA: Chap. I, part A and B; chap II; chap IV, omitting part D. GEOMETRY: Chaps. I, III, TRIGONOMETRY: Chaps. II, III to p. 29, Chap. IV to Art. 32 and Art. 34, chap. V to p. 62. Second Term—ALGEBRA: Chaps. III, VI, VIII, IX. GEOMETRY: Chaps. IV, V (omitting Arts. 60-61). TRIGONOMETRY: Chap. VI, with the solution of right triangles using logarithms.

20. **MATHEMATICS II.** Texts: Durell & Robson, *Calculus*. Vol. I; Crawley & Evans, *Analytic Geometry*; Hall & Knight (Canadian Edition), *Trigonometry*; Castle, *Five Figure Tables* (Macmillan). Six lecture periods per week and two laboratory periods, for students in *Arts and Science*. First Term—CALCULUS: Chaps. I-V. GEOMETRY: Chap. VI and sec. 26, 29, 60, 61. TRIGONOMETRY: Chaps. I, VII-IX. Second Term—To be announced.

PHILOSOPHY

PHILOSOPHY III—Course 30.

PHILOSOPHY IV—Course 40. (Not offered in 1940.)

30. HISTORY OF PHILOSOPHY (Ancient and Mediaeval). First Term—Bakewell, *Source-book in Ancient Philosophy*, pages 1 to 179; Plato, *Republic*; Rogers, *Student's History of Philosophy*, pages 1 to 101.

Second Term—Aristotle, *Ethics*; Bakewell, *Source-book*, pp. 217 to 393; Rand, *Classical Moralists*, Selections from St. Augustine, Abelard, and St. Thomas; Rogers, *Student's History*, from page 101 to end of mediaeval period.

40. HISTORY OF PHILOSOPHY (Modern). First Term—Rand, *Classical Modern Philosophers*, selections from Bruno to Locke, inclusive, and also Condillac; Rogers, *Student's History of Philosophy*, Modern period, to Locke.

Second Term—Rand, selections from Berkeley, Hume and Kant to Hegel, inclusive; Rogers, to end of Hegel.

PHYSICS

GRADE XII PHYSICS—Course IV. (Prerequisite, Grade XI Physics.)

PHYSICS IA—Course 1.

PHYSICS I—Course 10. (Prerequisite, Grade XI Physics.)

PHYSICS II—Course 21.

IV. TEXTS: *Outline of Experimental Work in Practical Physics for Grade XII.*

Black and Davis: *New Practical Physics*. Chapters II, III, VII, VIII, IX, X, XI, XII; chapter XV, section 245; chapters XVII, XVIII, XIX, XX, XXI, XXII, XXIII, XXVII, XXVIII, XXIX, XXXI.

1. GENERAL PHYSICS. A course in General Physics, consisting of lectures, demonstration experiments and laboratory experiments. First Term—Mechanics and Heat. Second Term—Sound, Electricity and Light. For students without Grade XI Physics. Text book: *New Practical Physics*, Black and Davis.

10. GENERAL PHYSICS. A course in General Physics, consisting of lectures, demonstration experiments and laboratory experiments. First Term—Mechanics and Heat. Second Term—Electricity and Light. For students with Grade XI Physics. Text book: *New Practical Physics*, Black and Davis.

21. GENERAL PRINCIPLES OF PHYSICS. A more advanced treatment than in Courses 1 and 10 of selected topics in Mechanics, Heat, Sound, Light and Electricity. First Term—Mechanics and Heat. Second Term—Sound, Light and Electricity. Text book: *College Physics*, Perkins.

POLITICAL ECONOMY, POLITICAL SCIENCE AND SOCIOLOGY

POLITICAL ECONOMY

POLITICAL ECONOMY II—Course 20.

20. **ECONOMICS.** An introductory course which aims to acquaint the student with the historical and geographical background of the present world economy. (This course is a prerequisite to Economics 30.) Text: Bowden, Karpovich and Usher, *An Economic History of Europe since 1750*.

POLITICAL SCIENCE

GOVERNMENT III—Course 30.

30. **PRINCIPLES OF POLITICAL SCIENCE.** A critical study of the theory and practice of government: the origin and nature of the state; the development and varieties of political institutions; the problems of sovereignty, representation, and governmental organization; party systems; democratic systems and modern dictatorships; unitary and federal states; nationalism and imperialism; relations between states in peace and war; efforts at international organization. Text: Sait, *Political Institutions*.

SOCIOLOGY

SOCIOLOGY III—Course 30.

30. **PRINCIPLES AND PROBLEMS OF SOCIOLOGY.** The interaction of the individual and groups in society; culture and its implications; social organization, institutions, and controls; disorganization in the individual and society: crime, poverty, disease, etc.; the factors in social change; the general problem of social development and progress. Text: MacIver, *Society*.

PSYCHOLOGY

PSYCHOLOGY III—Courses 30, 31. (Not offered in 1940.)

PSYCHOLOGY IV—Course 40.

30. **OBJECTIVE PSYCHOLOGY,** with exercises and experiments. Perrin's *Psychology*.

31. **SOCIAL PSYCHOLOGY.** First Term—Gurnee: *Elements of Social Psychology*. Second Term—Wright: *Moral Standards of Democracy*.

40. **PSYCHOLOGY OF HUMAN PERSONALITY, ABNORMAL AND NORMAL.** First Term—A study of the psychological sources and distinctive symptoms of the various types of mental disorder, and of the light which these throw upon the workings of the normal mind. Second Term—A study of the constituents of personality, the measurement of personal traits and the organization of personality. Students intending to take this course are strongly recommended to read and outline in advance of the Summer session the following books: Wm. McDougall, *Outline of Abnormal Psychology* (Scribner), and G. W. Allport, *Personality* (Holt).

ZOOLOGY

ZOOLOGY II AND IIM—Courses 21, 22 and related laboratory work.

ZOOLOGY III—Courses 31, 32 and related laboratory work.

ZOOLOGY IV—Courses 41, 42 and related laboratory work. (Not offered in 1940.)

21. GENERAL ZOOLOGY. Principles of animal classification; the frog as an example of simple chordate anatomy; structure and physiology of the animal cell; microscopic structure of animal tissues; principles of embryology and genetics.

Laboratory work will comprise dissections of the frog, microscopical examination of animal tissues, study of developing organisms.

Recommended Text: Marshall: *The Frog*.

This course may be taken separately, and will be accepted as equivalent in substance and credit value to the Zoology II course of the Winter Session (Science and Arts), or equivalent in substance and credit value to the second term portion of the Home Economics Zoology II course.

22. HUMAN PHYSIOLOGY. General anatomy and physiology of mammals, with particular reference to man.

Laboratory work will comprise dissections of a typical mammal, study of the human skeleton and musculature, experimental demonstrations of physiological phenomena.

Recommended Text: Whillis: *Human Anatomy and Physiology*.

This course may be taken separately, and will be accepted as equivalent to the First Term portion (Human Physiology) of the Home Economics Zoology II course.

Courses 21 and 22 will together be accepted as equivalent to the Zoology II M course of the Winter Session (Science and Arts), and as satisfying the zoological requirements for admission to the Medical College.

31. ZOOLOGY OF LOWER INVERTEBRATA. Characteristics, structure, classification of the animal groups—protozoa, sponges, zoophytes, flatworms, roundworms, annelid worms, echinoderms.

32. ZOOLOGY OF HIGHER INVERTEBRATA. The characteristics, structures, classification of the animal groups—arthropods, molluscs, prochordates.

Laboratory work—Study of the commoner examples of these groups.

Recommended Text: Hegner: *Invertebrate Zoology*.

Courses 31, 32, will be accepted as equivalent in substance and credit value to the Zoology III course of the Winter Session.

41. VERTEBRATE ZOOLOGY. The classification, anatomical structure and biology of vertebrate animals with particular reference to Canadian forms.

Laboratory work will comprise the dissection of common vertebrate types, the study of typical Canadian fishes, amphibia, reptiles, birds and mammals.

Recommended Text: Jackson: *Vertebrates of Manitoba*, together with assigned reading of library books.

42. GENERAL ANIMAL PARASITOLOGY. A study of the classification, structure, physiology, of the commoner animal parasites, with particular reference to those of man.

Laboratory work will comprise an examination of a wide range of animal parasites.

Recommended Text: Blacklock and Southwell: *Guide to Human Parasitology*.

Courses 41, 42 are equivalent in substance and credit value to the course in Vertebrate Zoology and Parasitology comprised in Zoology IV of the Winter Session.

They will alternate with the courses comprised in Zoology III and will not be offered in 1940.

HOME ECONOMICS COURSES

FOODS AND NUTRITION

21. **FOOD STUDY AND MANAGEMENT.** A study of the composition and the nutritive value of various foods. The development of technique, and the application of fundamental scientific principles to food preparation. Planning and preparation of meals, including the problems of menu making, food purchasing and management of time and other problems involved in meal preparation and service. This course is the equivalent of the course offered in the regular academic year.

One hour lecture and three hours laboratory. Lecture 8.30-9.30. Laboratory 9.30 to 12.30, Monday to Friday inclusive. Four credits.

CLOTHING AND TEXTILES

31. This course consists of two parts of the course Clothing and Textiles III given during the regular academic year.

(1) **CLOTHING.** A training in the study of clothing values, to know their cost and service so that wise selection may be made in the choice of materials, or in purchasing ready-made garments. The practical work includes the making of a foundation pattern; the making of a woollen dress; practice in the use of machine attachments; and making of a tailored suit and blouse, or a dress and tailored coat.

(2) **TEXTILES.** A continuation of the study of textiles. Special subjects such as the selection of fabrics for household furnishings, shoes, hosiery, and furs. History of lace, tapestries, oriental rugs, etc. Prerequisite, Textiles of Clothing I.

One hour lecture and two hours laboratory. Lecture 1.30 to 2.30. Laboratory 2.30 to 4.30, Monday to Friday inclusive. Three credits.

FACULTY OF EDUCATION COURSES

SUMMER SESSION, 1940

(Conducted on the Fort Garry Campus of the University concurrently with the Manitoba Summer School.)

Commencing January 1st, 1940, there will be offered the following Graduate courses leading to the degree of Bachelor of Education (B.Ed.), and Master of Education (M.Ed.). The lecture hours for these courses, during the Summer Session, are indicated herein:

Course 31 —Principles and Practices of Teaching and of the Supervision of Instruction.	
Dean D. S. Woods.....	8.30 a.m.
Course 24 —Comparative Education; Systems of Public School Administration and Supervision.	
Dean D. S. Woods.....	9.30 a.m.
Course 21 —The Nature, Needs and the Training of Children.	
Mr. Lennox Black.....	10.30 a.m.
Course 29b—Teaching and Supervision of Arithmetic, Spelling and Handwriting.	
Mr. Lennox Black.....	11.30 a.m.
Course 29g—Teaching and Supervision of Modern Languages.	
Assistant Professor M. J. Richard.....	1.30 p.m.
Course 29c—The Teaching and Supervision of English.	
Assistant Professor R. F. Argue.....	2.30 p.m.

Applicants for admission to the Second and Third Years of Education should apply by mail to the Registrar, and should consult the Dean concerning options.

Directed study will be conducted during the period January to June inclusive, and lectures provided for six weeks, commencing July 12th.

During the summer of 1940 it is the intention of the Faculty, for a period of at least two weeks, to operate a Child Guidance Clinic, in order that post-graduate students in attendance may become familiar with the purposes and techniques employed in educational diagnosis and guidance. No fee will be charged, but only those actually registered in courses leading to the Degree of Bachelor of Education and Master of Education will be admitted. Prerequisites—one course in Psychology and the course in Mental and Achievement Testing. If interested in this work kindly advise the Dean of the Faculty at an early date.

Fees payable January 1st, 1940, are as follows:

Entrance Fee, if not previously registered in Education	\$2.00
Library Fee, if not already paid	2.00
Registration Fee, per subject	3.35

(For balance of fees see page 49 of Education Calendar.)

MANITOBA SUMMER SCHOOL

JULY-AUGUST, 1939

Total Enrolment at Manitoba Summer School, 1939

Women	906	
Men	566	1472
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Home Address of Summer Students

Winnipeg and Suburbs	532	
Rural Manitoba	832	
Saskatchewan	92	
Ontario	6	
British Columbia	2	
Alberta	5	
United States	3	1472
		<hr/>

Number of Women in Residence	310	
Number of Men in Residence	178	488
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Students Taking High School and Methods Courses

Teachers Taking Matriculation and Grade XII	111	
Teachers Taking Professional Courses	732	
High School Students	38	881
		<hr/>

Students Taking University Courses

Teachers	338	
Regular University Students	327	
Teachers Taking Graduate Work in Education	58	
Graduate Nurses	34	757
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ENROLMENT BY SUBJECTS

Arithmetic, Grades IV to VI	57
Art, Grades I to III	130
Music Methods, Grades I-IX	141
Music Appreciation	49
Reading and Oral Expression, I-III	108
Voice Culture, Story Telling, etc.	78
Art and Art Appreciation	29
Child Psychology	131
Psychology of Adolescence	32
Tests and Measurements	72
The Modern World	42
Library Course	19
General Shop Work	66
Psychology of Exceptional Children	54
Homemaking Course	75
Agriculture	32
Rural Sociology	61
The New Curriculum	113
Visual Education	14
Social Studies	70
Dramatics	62
Speech and Language Training	84
Physical Education	51

Health Education	69
Normal School Workroom Course	21
Nature Study	82
Grade XII English and English I	55
Optional English and English II	83
Grade A English and English III	50
English IV	22
History I and Grade XII	11
History II	41
History III	32
History IV	27
Algebra I and Grade XII	34
Geometry I and Grade XII	30
Trigonometry I, IA, IIA and XII	20
Calculus II	34
Geometry II	34
Grade XII Chemistry and Chemistry I and IA	65
Chemistry II (Arts and Science)	23
Chemistry II (Home Economics)	11
Chemistry III	19
Biochemistry III	13
Grade XII Physics and Physics I	34
Physics II	10
Zoology II	4
Zoology IIM	14
Zoology IV	13
Geology II	12
Food and Nutrition II	19
Grade XI French	7
Grade XII French and French I	27
French II, Authors	74
French II, Practice	51
Grade XI Latin	11
Grade XII Latin and Latin 1	11
Latin II	5
Roman Civilization III	15
German IA	13
German II	13
Philosophy IV	13
Sociology IV	35
Psychology III	35
Clothing and Textiles III	18
Logic and Psychology II	9
Economics II (Arts and Science)	24
Economics II (Home Economics)	13
Sociology II (Home Economics)	13

Graduate Nurses Courses

Methods of Clinical Teaching	25
Preventive Medicine	14
Bacteriology	12
Principles and Practices of Teaching	16

Education (Second and Third Years)

Reorganization of Secondary Education	17
Psychology of School Subjects	31
Mental and Achievement Testing	28
Teaching of History	16
Teaching of Mathematics	5
Research	16

SUMMER SCHOOL ORGANIZATIONS, 1939

Members of Student Council

Chairman, Dr. D. S. Woods; Vice-Chairman, Mr. A. Lawson; Secretary-Treasurer, Mr. J. J. Jackson. Primary Art, David Peters; Sociology IV, M. Evanchuk, C. Rhind; French II, J. Fraser; Dramatics, Ethel Burridge; Library, Sara Winters; Sociology II, Marie Ferg; Chemistry II (Home Economics), Helen Morrison; Geometry I, Jim Chisholm; Dramatics, Wilda Anderson; Mathematics II, Stanley MacFarlane; Child Psychology, Wm. Bradley; Art and Art Appreciation, Phyllis Deason; The Modern World, Garnet Morrison; Tests and Measurements, Ruth Brown, Jeanne Shannon; Graduate Nurses, Stelle Langstaffe; English, Pearl Irwin; Nature Study, Jean Twced; Social Studies, Betty White; Arithmetic, Nora E. Sankey; German IA, Murray Leybourne; Rural Sociology, Phyllis Patmore; Mathematics II, Thomas Wallace; Psychology of Exceptional Children, Ethel Reynolds; Speech Training, Mary Kennedy; The Modern World, Marguerite King; Music Appreciation, E. G. Smillie; Art and Art Appreciation, Melvin G. Pipe; Chemistry II, Dave Schellenberg; English III, Kenneth Jasper; Nature Study, Jack Connor; Rural Sociology, Abraham Diamond; Trigonometry, Gladys McGhie; Home Economics and Public Health, Thora Kristinson, Betty Campbell; Psychology III, Mr. E. Friesen, Mr. Robbins; Agriculture, H. F. Friesen; Physics I, Albert Soltys; Psychology of Exceptional Children, Irvine Bateman, Miss Hollinshead; Dramatics, N. Currie; Physical Education, Jean Henderson, Birdie Stinson, Margaret Connell; French XI, Frances Gray; Psychology III, William Friesen; Roman Civilization, Laura M. Douglas; Philosophy IV, Leslie I. Spear; Psychology of Adolescence, Jean Chavanne; Voice Culture, Evelyn Dunfield, Anne Forbes, Enid Orth; English, Grade XII, Harrison Waugh, Colin Doroschuk; English II, Margaret Stevens, Jenny Semple; Homemaking, Marie Wilton, Chrissie McDonald, Frances I. McKay; Economics II, J. S. Oliver; Rural Sociology, Miss Patmore, Mr. Diamond, Miss March; Social Studies, Gladys Mitchell, John Partridge, Betty White; Algebra XII, Lorraine MacKenzie, John Boily; Chemistry XII, June Greenfield, Peggy Henderson, Olive Bate; Latin XI, Mr. Glow; Arithmetic, P. Roscie, Mrs. Keith; Child Psychology, Joy Goodrich, Bill Bradley; Education, A. H. Lawson; Speech Training, Les. Wotton; English II, Tom Clary, Mary Jean Campbell.

Tennis

Chairman, D. Schellenberg; Secretary, Garnet Morrison; Misses R. Brown, Betty Robinson, Marion Green, Mr. A. Pybus.

Men's Athletic Committee

Chairman, N. Currie; Secretary, J. Broadfoot; Messrs. J. Fraser, M. Leybourne, S. N. Macfarlane, J. Toews, W. Raginski, H. H. Goossen, H. Hunter, N. Hawn, E. Preston, G. Sadler, R. Poole, J. J. Jackson.

Ladies' Athletic Committee

Chairman, Thora Kristinson; Secretary, Betty Robinson; Misses Nora Sankey, Jean Shannon, Marie Wilton, Joy Dicks, Evelyn Russell, Ruth Roper, Edna Kernaghan.

Sunday Service Committee

Chairman, A. Lawson; Miss M. Henderson, Miss T. Kristinson, Messrs. N. McLean, D. Fraser.

Hard Ball Committee

Chairman, N. Hawn; Messrs. T. Wallace, J. Fargey.

Soft Ball Committee

Chairman, W. Raginski; Messrs. J. Toews, R. Pool.

Basketball Committee

Chairman, J. Federick; Messrs. I. Bateman, M. J. Mazur.

Social Committee

Chairman, W. Fenny; Secretary, Ruth Brown; Misses J. Tweed, Rita Tremblay, Messrs. E. Friesen, J. Fraser, C. Rhind.

Re-Union Dance Committee

Chairman, A. Lawson; Misses M. Anderson, M. Hancock; Messrs. R. Rogers, N. McLean, W. Flatt, J. J. Jackson, Dr. D. S. Woods, Dr. H. P. Armes.

Appointments Committee

Messrs. A. Leach, R. Rogers, J. Fraser, W. Donald, L. Wotton, A. Lawson, Dr. D. S. Woods.

Part Time Work

Each year students are employed for the following work:

Secretary-Treasurer.

One lady—Assistant Dean.

One post-office helper.

One outside Assistant Dean of Men.

If interested, make application in writing to 203 Administration Building, University of Manitoba, on or before March 15th, 1940.

GENERAL INSTRUCTIONS REGARDING APPLICATIONS FOR SUMMER SCHOOL COURSES

(1) Application for Teacher Training courses should be made to the Registrar, Department of Education, Room 144 Legislative Building, Winnipeg, not later than May 15th, 1940. **In no case will application be accepted after June 15th unless accompanied by a late registration fee of one dollar, payable to the Department of Education.** Teachers are urged further to give careful thought to the selection of courses and to check closely time-table arrangements, as any alteration of Teacher Training courses at the time of registration at the Summer School can be made only by personal application at the office of the Registrar, Department of Education, Winnipeg.

(2) The Department of Education reserves the right to cancel any Teacher Training courses for which sufficient applications are not received.

(3) Teachers applying for **Teacher Training courses only** will complete **one** application (Form No. 2). This will be mailed to the Registrar, Department of Education.

(4) Teachers applying for Teacher Training courses **and** academic work (Grades XI or XII, or Degree) must complete **two** applications. Form No. 1 will be mailed to the Registrar, University of Manitoba, Fort Garry, and Form No. 2 to the Registrar, Department of Education.

(5) Applicants for **academic work only** will complete Application Form No. 1 and forward it to the Registrar, University of Manitoba, Fort Garry.

APPLICATION FORM
FOR ACADEMIC COURSES

1

Students applying for Summer School Courses in academic subjects are requested to complete this application form, and forward to the Registrar, University of Manitoba, Fort Garry, Manitoba.
(Consult page 46)

Manitoba Summer School

1940

Name (IN FULL)

Home Address

Present Address

Academic Standing: Grade XI Grade XII Degree

Present University Standing (if any) and where obtained

State below the academic subjects you are applying to take during the 1940 Summer School Session.

N.B.—Check courses with Time Table.

Time	Courses	Units
.....
.....
.....
.....
.....

Total units academic work

Do you desire University or Departmental credit for above courses?
(N.B. — Standing will not be granted with both University and Department)

[SEE OVER]

APPLICATION FORM FOR TEACHER TRAINING COURSES

2

(This application should be mailed to the Registrar, Department of Education, Room 144 Legislative Building, Winnipeg, not later than May 15th, 1940. Read instructions on page 46 before completing application.)

Manitoba Summer School

1940

Name (IN FULL) _____
(First Name) (Middle Name) (Last Name)

Home Address _____

Present Address _____

Certificate _____ Academic Standing _____
(Number) (Class) (XI, XII or Degree?)

Will you have completed one year of teaching by June 30th, 1940? _____

For what class of Certificate are you taking these courses? _____
(Second,

First, or Collegiate?)

What Professional Courses have you taken previously?

What Teacher Training Courses do you propose taking this year? (Indicate below.) N.B.—Check courses with Time Table.

Time	No. of Course	Courses	Units
_____	_____	_____	_____
_____	_____	_____	_____

Total Units, Teacher Training _____

[SEE OVER]

Teachers who also are completing Application Form No. 1 should indicate in the space below the academic courses they have applied to take.

[illegible]

Total Units, Academic Courses	Total No. of Units (Academic and Teacher Training)
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
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28	28
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67	67
68	68
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81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

for which you are now applying?

NOTE—Students will not be permitted to take more than four units of Teacher Training work at one session. Those taking academic work as well as Teacher Training courses may take a total of not more than six units (Academic and Teacher Training).

Date _____ Signature _____

For Office Use Only: Approved by

RESIDENCE APPLICATION

(This form should be filled out by University and Department of Education students, who wish residence accommodation, and forwarded to 203 A Building, University of Manitoba.)

Summer School Office,
203 Administration Bldg.,
University of Manitoba,
Fort Garry, Man.

Please reserve room in the University residence for me, Summer Session, 1940.

Remarks

.....

.....

How long will you be in residence: 4 weeks..... 6 weeks.....

Occupation previous to 1940:

University Student Teacher..... Graduate Nurse.....

Name (IN FULL)

Present Address

.....

Date.....

(This part for Office use only.)

Assigned Room No.

NOTE—Single rooms will not be reserved if the enrolment exceeds available accommodation.

(If you desire to room with a friend kindly state name of person concerned. Unless an application from the person named is received before May 1st, the room will be assigned to some one who has an application on file.)

